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PATENT APPLICATION

N THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q66676

Toshiaki KUNIYASU, et al.

Appln. No.: 09/973,814

Group Art Unit: 2828

Confirmation No.: 7822

Examiner: James W. DAVIE

Filed: October 11, 2001

For:

SEMICONDUCTOR LASER DEVICE WITH A CURRENT NON-INJECTION REGION

NEAR A RESONATOR END FACE, AND FABRICATION METHOD THEREOF

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore Applicants are filing

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INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 09/973,814

Attorney Docket No.: O66676

concurrently herewith a Statement Under 37 C.F.R. § 1.97(e). No fee under 37 C.F.R. § 1.17(p)

is required.

The present Information Disclosure Statement is being filed thirty days or fewer from the

communication from a foreign patent office and a Statement Under 37 C.F.R. §1.704(d) is

attached.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for

foreign language documents, Applicants enclose herewith a copy of a Communication from a

foreign patent office in a counterpart application citing such documents, together with an

English-language version (if not already included) of at least that portion of the Communication

indicating the degree of relevance found by the foreign patent office. Applicant submits that all

documents listed on the Communication, but not listed on the enclosed PTO 1449 form, were

submitted in the Information Disclosure Statement filed on January 29, 2004.

The submission of the listed documents is not intended as an admission that any such

document constitutes prior art against the claims of the present application. Applicants do not

waive any right to take any action that would be appropriate to antedate or otherwise remove any

listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue

Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any

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INFORMATION DISCLOSURE STATEMENT

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overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

Alleson M. Tulen

SUGHRUE MION, PLLC

Telephone: (202) 293-7060 Facsimile: (202) 293-7860

washington office 23373
CUSTOMER NUMBER

Allison M. Tulino

Registration No. 48,294 Date: March 30, 2004

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	Substitute for Form 1449 A & B/PTO		Сотр	nplete if Known	
			Application Number	09/973,814	
5	P I NFORMATION DIS	SCLOSURE	Confirmation Number	7822	
'	STATEMENT BY A	PPLICANT	Filing Date	October 11, 2001	
АМ			First Named Inventor	Toshiaki KUNIYASU	
	(use as many sheets as necessary)	Art Unit	2828		
	y		Examiner Name	James W. DAVIE	
	heet 1	of 1	Attorney Docket Number	Q66676	
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	U.S. PATENT DOCUMENTS						
Examiner	Cite No.1	Document Number		Publication Date			
Initials*		Number	Kind Code ² (if known)	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		
		US 5,394,421		02/28/95	Ikawa et al.		
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FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Foreign Patent Document			Publication Date	Name of Patentee or	
Initials*	No.1	Country Code ³	Number ⁴	Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation ⁶
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		NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazi journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where publisher.			
		Patent Abstracts of Japan, vol. 2000, no. 07, 2000101198, April 7, 2000.			
		M. SAGAWA et al. "Highly reliable operation of high-power 0.98-\mu m InGaAs/InGaAsP lasers with a window structure fabricated by Si implantation", SEMICONDUCTOR LASER CONFERENCE, 1998 IEEE 16 th International Nara, October 4, 1998			
		S. RUSLI et al. "1 W CW reliable λ = 730nm aluminuim-free active layer diode laser", ELECTRONICS LETTERS, vol. 36, no. 7, March 30, 2004			
	•	Toshiaki FUKUNAGA et al "High-Power 0.8 μm InGaAsP/InGaP/AIGaAs Single Quantum Well Lasers with Tensile-Strained InGaP Barriers XP 001096289, Japanese Journal of Applied Physics, vol. 38, no. 4A, April 1, 1999			

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Examiner Signature		 _	Date Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

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STATEMENT UNDER 37 C.F.R. § 1.97(e)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The undersigned hereby states, upon information and belief:

That each item of information contained in the Information Disclosure Statement filed concurrently herewith was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of said Information Disclosure Statement.

Respectfully submitted,

SUGHRUE MION, PLLC Allison M. Tulino
Telephone: (202) 293-7060 Registration No. 48,294

Telephone: (202) 293-7060 Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

Date: March 30, 2004

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A RESONATOR END FACE, AND FABRICATION METHOD THEREOF

STATEMENT UNDER 37 C.F.R. § 1.704(d)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The undersigned hereby states, upon information and belief:

That each item of information contained in the Information Disclosure Statement filed concurrently herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and that the communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of said Information Disclosure Statement.

Respectfully submitted,

Allison M. Tulino Registration No. 48,294

Aluson M. Thluro

SUGHRUE MION, PLLC

Telephone: (202) 293-7060

Facsimile: (202) 293-7860

WASHINGTON OFFICE 23373
CUSTOMER NUMBER

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